

1 tttttttttttgog ATG CAG TTT TGG CTC TTG TTG CCC AGG CTG GAG TGC AAT GGC CCA ATC 62
 1 M E F S L L L P R L E C N G A I 16
 63 TCA GCT CAC CGC AAC CTC CGC GGT TCA AGC GAT TCT CCT GCC TCA GCC TCC CCA 122
 17 S A H R N L R L P G S S D S P A S A S P 36
 123 GTA GCT GGG ATT ACA GGC ATG TGC ACC CAC GCT CGG CTA ATT TTG TAT TTT TTT TTA GTA 182
 37 V A G I T G M C T H A R L I L Y F F L V 56
 183 GAG ATG GAG TTT CTC CAT GTT GGT CAG GCT GGT CTC GAA CTC CGG ACC TCA GAT GAT CCC 242
 57 E M E F L H V G Q A G L E L P T S D D P 76
 243 TCC GTC TCG GCC TCC CAA AGT GCT AGA TAC AGG ACT GGC CAC CAT CCC CGG CTC TGC CTG 302
 77 S V S A S Q S A R Y R T G H A R L C L 96
 303 GCT AAT TTT TGT GGT AGA AAC AGG GTT TCA CTG ATG TGC CCA AGC TGG TCT CCT GAG CTC 362
 97 A N F C G R N R V S L M C P S W S P E L 116
 363 AMG CAG TCC ACC TGC CTC ACC CCA AAG TGC TGG GAT TAC AGG GCT GCA GCC GTG CCT 422
 117 K Q S T C L S L P K C W D Y R R A A V P 136
 423 GGC CTT TTT ATT TTA TTT TTT TTA AGA CAC AGG TGT CCC ACT CTT ACC CAG GAT GAA GTG 482
 137 G L F I L F L R H R C P T L T Q D E V 156

FIG. 1A

483 CAG TGG TGT CAT CAC AGC TCA CTG CAG CCT TCA ACT CCT GAG ATC AAG CAT CCT CCT GCC 542
 157 Q W C D H S S L Q P S T P E I K H P P A 176

543 TCA GCC TCC CAA GTA GCT GGG ACC AAA GAC ATG CAC CAC TAC ACC TGG CTA ATT TTT ATT 602
 177 S A S Q V A G T K D M H H Y T W L I F I 196

603 TTT ATT TTT AAT TTT TTG ACA CAG AGT CTC AAC TCT GTC ACC CAG GCT GGA GTG CAG TGG 662
 197 F I F N F L R Q S L N S V T Q A G V Q W 216

683 CGC AAT CTT GGC TCA CTG CAA CCT CTG CCT GGC GGG TTC AAG TTA TTC TGC TGC CCG AGC 722
 217 R N L G S L Q P L P P G F K L F S C P S 236

723 CTC CTG AGT AGC TGG GAC TAC AGG CGC CCA CCA CGC CTA GCT AAT TTT TTT GTA TTT TTA 782
 237 L L S S W D Y R R P P R L A N F F V F L 256

783 GTA CAG ATG GGG TTC ACC ATG TTC GCC AGG TTG ATC TTG ATC TCT GGA CCT TGT GAT CTG 842
 257 V E M G F T M F A R L I L I S G P C D L 276

843 CCT GGC TCG GCC TCC CAA AGT GCT GGG ATT ACA GGC GTG AGC CAC CAC GGC CGG CTT ATT 902
 277 P A S A S Q S A G I T G V S H H A R L I 296

903 TTT AAT TTT TGT TTG TTT GAA ATG GAA TCT CAC TCT GTT ACC CAG GCT GGA GTG CAA TGG 962
 297 F N F C L F E M E S H S V T Q A G V Q W 316

FIG. 1B

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963 CCA AAT CTC GGC TCA CTG CAA CCT CTG CCT OCC GGG CTC AAG CGA TTC TCC TGT CTC AGC 1022
 317 P N L G S L Q P L P P G L K R F S C L S 336

1023 CTC CCA AGC AGC TGG GAT TAC GGG CAC CTG CCA CCA CAC CCC GCT AAT TTT TGT ATT TTC 1082
 337 L P S S W D Y G H L P P H P A N F C I F 356

1083 ATT AGA GGC GGT TCA CCA TAT TTG TCA GGC TGG TCT CAA ACT CCT GAC CTC AGG tgac 1143
 357 I R G G V S P Y L S G W S Q T P D L R 375

1144 ccaccigcctcagccttccaaagtgctgggttacagggtgagccaccctaccgcgcgctaatlttagatataaaaaat 1223

1224 atgtagcaatgggggtcttgcgtatgttggccagctggctcacaacttctggcttcagcaatcccttccaatgagcca 1303

1304 caacaccagccagtcacattttttaacagttcaccttttattttagatatactagaaagtatacaataaacatgtcaa 1383

1384 accctgcaaatccagtagtaacagagttctttttataactttttaacacaagcttttagagca 1442

FIG. 1C

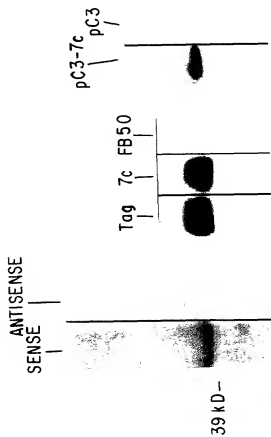


FIG.2A FIG.2B FIG.2C

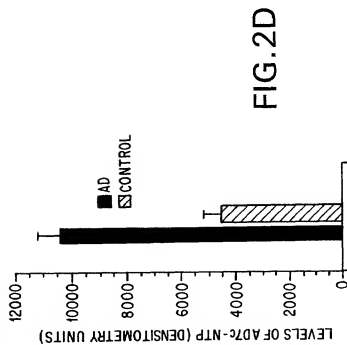


FIG.2D



FIG.2E

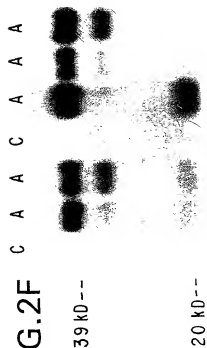


FIG.2F

Appl. No. 09/964,666; Group Art Unit: 1633
 Dkt. No. 0609 4370003; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

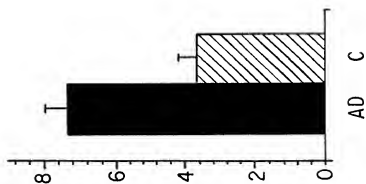


FIG. 3B

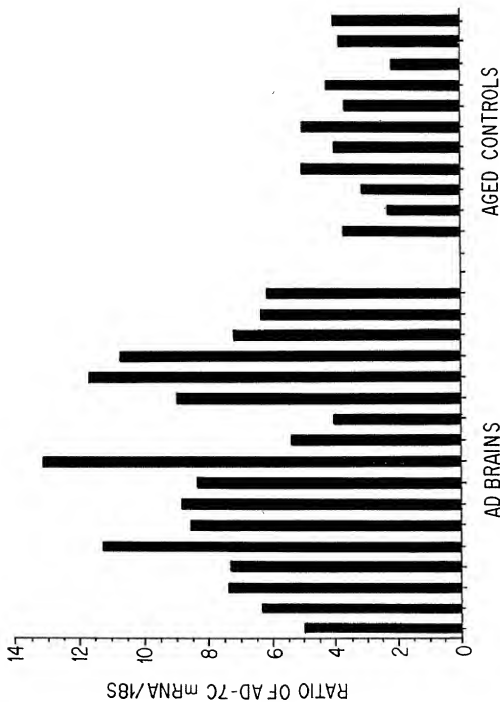


FIG. 3A

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COFFEE & CHOCOLATE



FIG. 3D



FIG. 3E



FIG. 3F

FIG. 4A

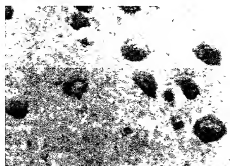


FIG. 4B

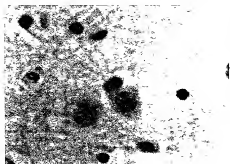


FIG. 4C

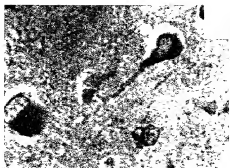


FIG. 4D



FIG. 4E



FIG. 4F

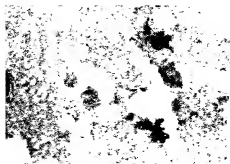


FIG. 4G

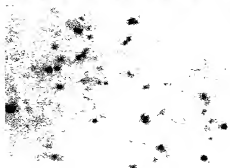


FIG. 4H



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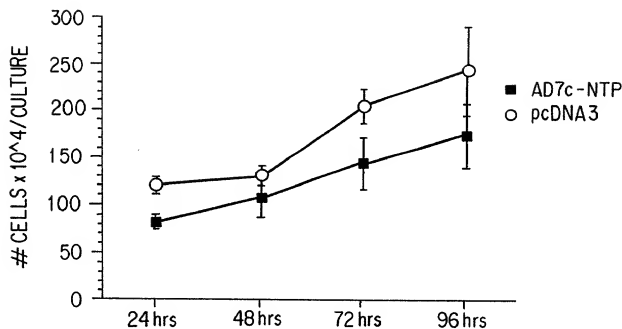


FIG. 5A

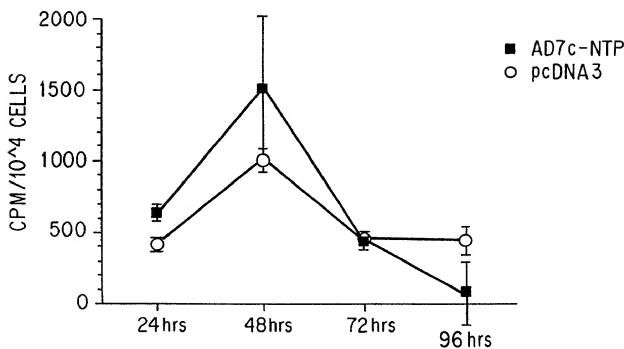
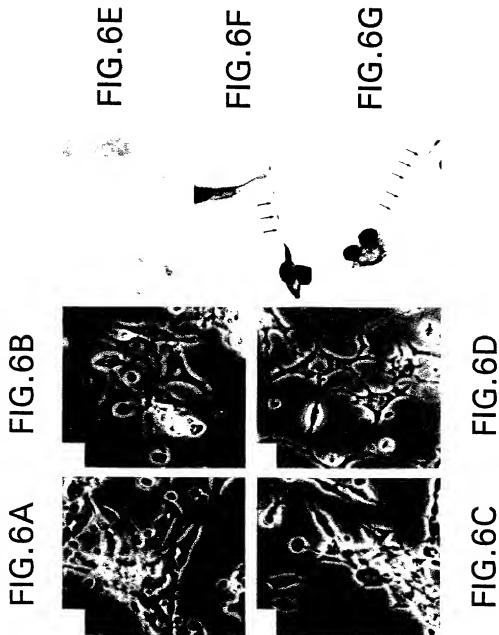
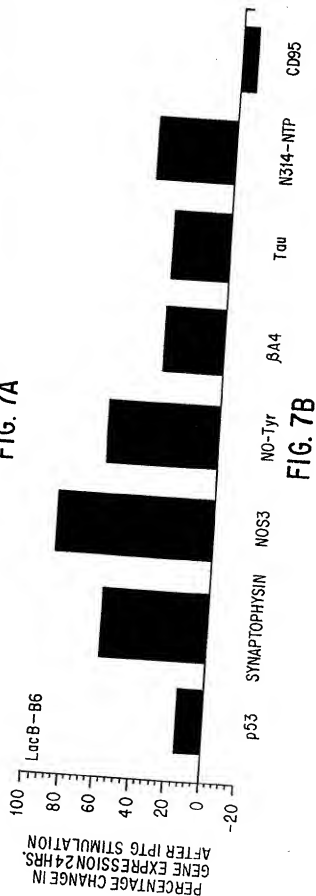
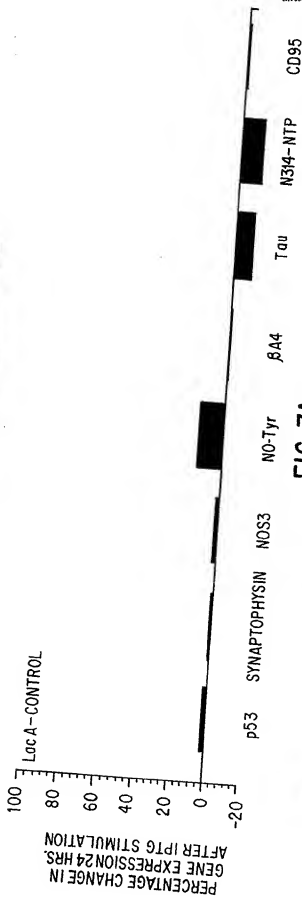


FIG. 5B



202070-9996660

Appl. No. 09/964,666; Group Art Unit: 1633
 Dia. No. 0609,4370003; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.



Appl. No. 09/964,666; Group Art Unit: 1633
 Dkt. No. 0609.4370003; Batch No.: N/A
 Inventors: de la Monte *et al.*; Tel: 202/371-2600
 Title: Transgenic Animals and Cell Lines for Screening Drugs
 Effective for the Treatment or Prevention of Alzheimer's etc.

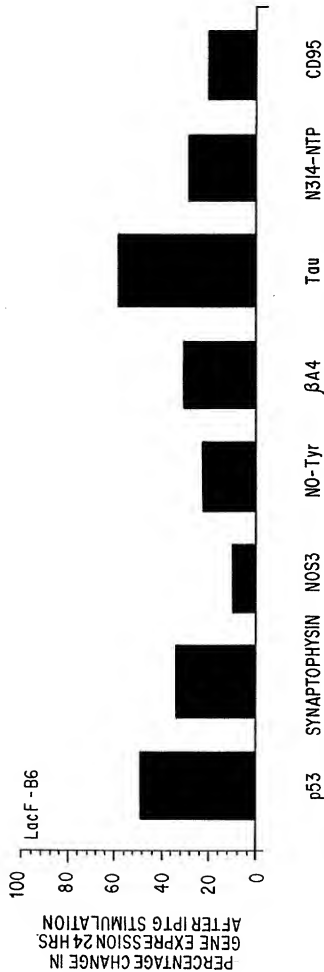


FIG. 7C

Appl. No. 09/964,666; Group Art Unit: 1633

Dkt. No. 0609.4370003; Batch No.: N/A

Inventors: de la Monte *et al.*; Tel: 202/371-2600

Title: Transgenic Animals and Cell Lines for Screening Drug
Effective for the Treatment or Prevention of Alzheimer's etc.

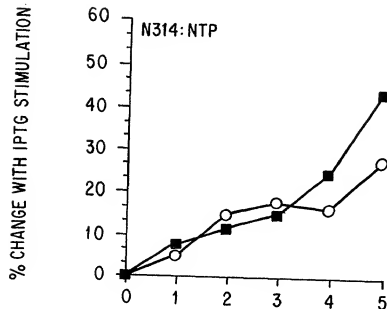


FIG. 8A

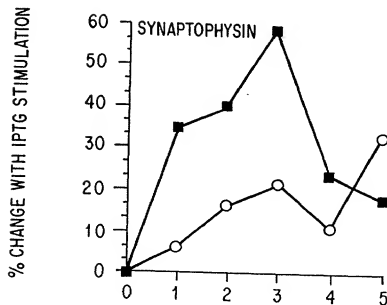


FIG. 8B

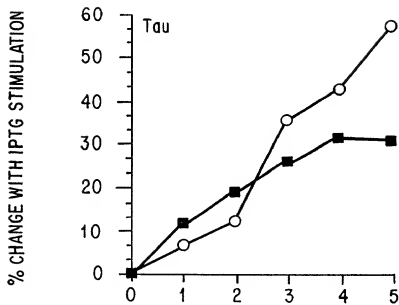


FIG. 8C

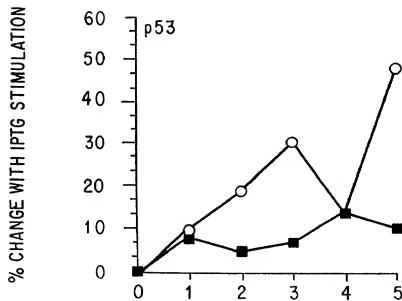


FIG. 8D

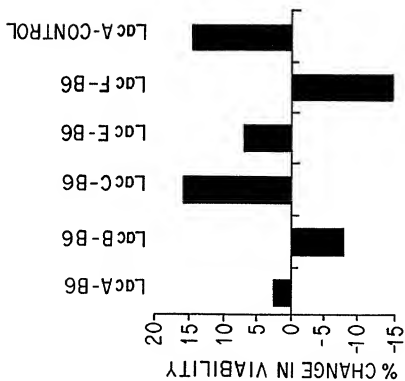


FIG. 9B

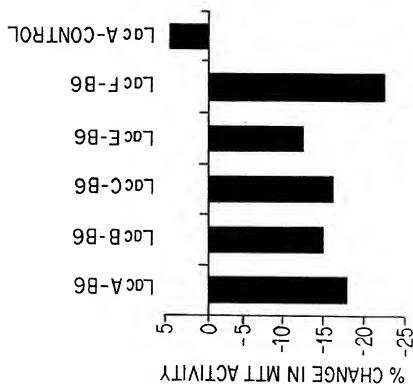


FIG. 9A

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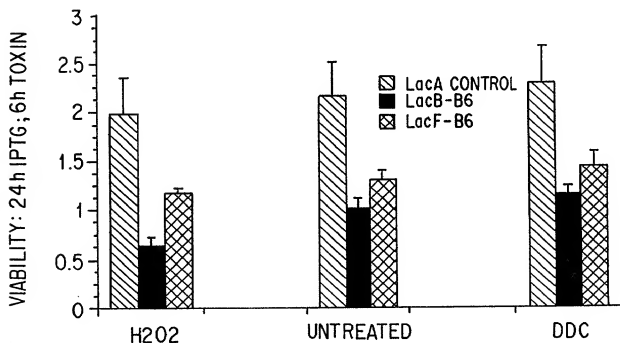


FIG. 10A

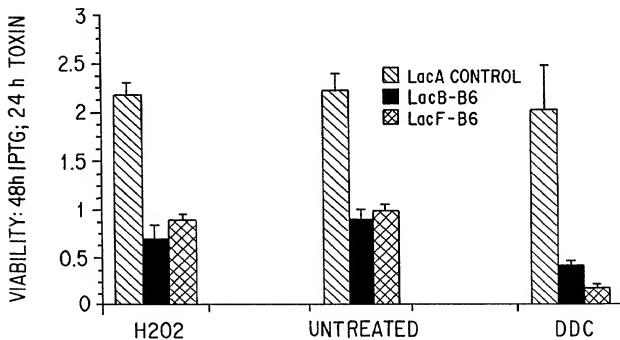


FIG. 10B

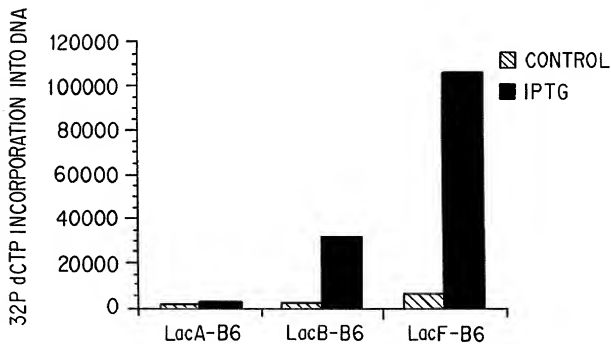


FIG. 11

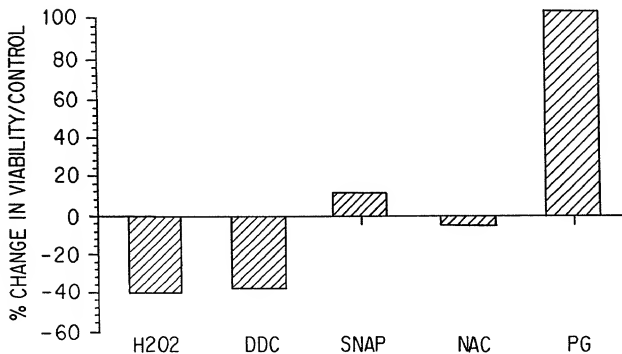


FIG. 12